

94 E respective brush body having a different ~~respective natural~~ resonance frequency of oscillation;
in which the brush bodies are substantially equal in size but made of different density material so as to provide said ~~different resonance frequencies.~~

REMARKS

In a telephone interview on January 27, 1993, and further in a Communication issued February 1, 1993, the Examiner made several formal requirements for this patent application.

The Examiner required claim 8 to be cancelled on the ground that its status was not clear according to the Patent Office's file history of this patent application. Accordingly, claim 8 has been cancelled herein and replaced by new claim 42. The number of claims has not changed. No fee is due for the filing of new claim 42.

Secondly, the Examiner required all of the claims to be reviewed as to their form. He pointed out certain portions of claims 7 and 8 that he considered to be indefinite. All of the claims have been reviewed and it is submitted that they fully comply with the requirements of 35 USC §112, second paragraph.

The Examiner also required additional comments on the Baines and Strobl references.

The Office Action dated April 14, 1992 pointed out that neither Baines or Strobl teaches any support arms and brushes having different resonant frequencies. The applicants agree with this statement. The Examiner is referred to the Amendment filed October 14, 1992 at page 12, third full paragraph. At that point, it is stated that none of the references including Baines and Strobl are concerned with the provision of two or more brush contacts for electrical engagement with a rotating cylindrical body such as a commutator or a slip ring for the purpose of supplying an electric motor with higher current without increasing current density at the interface between the stationary contacts and the rotating cylindrical body. Thus, the objects of the present invention, the problems it solves and the

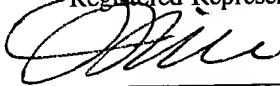
solutions thereto, are neither disclosed nor suggested by Baines and Strobl, individually or in combination with the other references.

Further, neither Baines nor Strobl discloses or suggests the advantages of providing two brush arm assemblies having different resonant frequencies, nor do Baines and Strobl suggest that structure. Independent claim 7 recites "each arm in combination with the respective brush body thereof having a different respective natural resonance frequency of oscillation." Features related to differing resonant frequencies are also recited in each of the other independent claims, claims 17, 33 and 8 (now claim 42) and in many dependent claims. No such structure is disclosed or suggested in either the Baines reference nor the Strobl reference. For these reasons, it is submitted that the Baines and Strobl references are no more relevant than the Campbell reference. None of the references, individually or in combination, teach the feature of brush body/support arm combinations having different respective resonant frequencies as claimed in each of the independent claims, and many of the dependent claims. For these reasons at least, all of the claims are now submitted to be in condition for allowance.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on February 6, 1993:

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Name of applicant, assignee or
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Signature

February 6, 1993

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Respectfully submitted,



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